

5                   **A DEVICE FOR OPTICALLY REGENERATING PULSES, AN  
                  INSTALLATION INCLUDING SUCH A DEVICE, AND THE USE OF THE  
                  DEVICE**

**Abstract of the Disclosure**

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                  This device for optically regenerating pulses  
                  includes a synchronous intensity modulator to provide  
                  time synchronization for pulses passing through it and to  
15               stabilize intensity fluctuations in the pulses. In  
                  addition, it includes noise suppression circuitry in the  
                  form of a saturable absorber that is distinct from the  
                  synchronous intensity modulator and the intensity  
                  fluctuations stabilizer.

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